

ILLINOIS DEPARTMENT OF TRANSPORTATION												
District Nine Materials					Bridge Foundation Boring Log							
ILL 13 EB Over Big Muddy River												
Route: ILL 13		Structure Number: 039-0013 and 039-0049			Date: 10/5/2004							
Section:		Location: E. Edge of Murphysboro			Bored By: Bryan Keller							
County: Jackson		Checked By: Rob Graeff			Sheet 1 of 2							
Boring No	Station	Offset	Ground Surface	D	B	Qu	W%	Surf Wat Elev	D	B	Qu	W%
3-S	339+94	30' LT CL	353.7 Ft	H	W	tsf		338.5	H	W	tsf	
				Ground Water Elevation when Drilling				324.2	Ground Water Elevation At Completion			
				At: 24 Hrs:		350.4						
Hard, damp, brown, Silty Clay A7-6								326.7	WH	0.6B	28	
								324.2	WH	0.7B	26	
								324.2	WH	0.7B	26	
Very stiff, damp to moist, brown, Silty Clay A7-6				5.0		2		349.2	30.0	WH		
				3		2.5P		321.7	3	0.7B	32	
				3				321.7	2			
Stiff, moist, brown, Silty Clay to Clay A7-6				WH				344.2	WH			
				1		1.2B		319.2	WH			
				1				319.2	WH			
Soft, very moist, grey, Clay to Silty Clay A7-6				10.0		WH		346.7	35.0	WH		
				1		0.4B		316.7	9		14	
				WH				316.7	8			
				WH		0.3B		314.2	4			
				WH				314.2	4			
				15.0		WH		309.2	4			
				WH		0.3B		309.2	40.0	1		
				WH				309.2	1	1.2B	30	
				WH				309.2	2			
Soft to medium, very moist, grey, Clay to Silty Clay A7-6				WH				331.7	45.0	1		
				WH		0.5B		304.2	2	0.8B	34	
				WH				304.2	2			
Soft, very moist, grey, Clay to Silty Clay A7-6				WH				329.2	50.0	WH		
				WH		0.3B						
				WH								
				25.0		WH						

N-Std Penr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail, B-Bulge S-Shear E-Estimated P-Penetrometer)

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3-S	339+94	30' LT CL	353.7 Ft	H	W	tsf		338.5	H	W	tsf	
				Ground Water Elevation when Drilling				324.2	Ground Water Elevation At Completion			
				At: 24 Hrs:		350.4						
Soft, wet, brown, Silty Clay A7-6 with Silt Loam layers								299.2	4	0.4B	27	
								299.2	3			
								299.2	1			
Very loose, wet, grey, fine Silty Sand				55.0		1		299.2	1		18	
				3		0.9B		294.2	2	0.9B	43	
				3				294.2	7			
Medium, wet, brown, Clay A7-6				WH				294.2	WH			
				1		1.2B		289.2	WH			
				1				289.2	WH			
Medium, very moist, brown, Clay A7-6				10.0		WH		289.2	60.0	2		
				1		0.4B		289.2	9		14	
				WH				289.2	8			
				WH		0.3B		289.2	4			
				WH				289.2	4			
				15.0		WH		289.2	40.0	1		
				WH		0.3B		289.2	40.0	1	1.2B	30
				WH				289.2	2			
Hard, dry, black Coal				65.0		100/5"		289.2	65.0	100/5"		90.0
				70.0		100/3"		289.2	70.0	100/3"		95.0
				75.0		100/3"		278.7	75.0	100/3"		100.0

N-Std Penr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail, B-Bulge S-Shear E-Estimated P-Penetrometer)



USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 039-0075 (E.B.)

SHEET NO. 49 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)B-1	JACKSON	200	108
CONTRACT NO. 78056				
ILLINOIS FED. AID PROJECT				